Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 - 10. (Canceled)

11. (Previously presented) A method for producing a carbohydrate-appended peptide useful for radioiodinating an antibody, comprising:

conjugating a radioiodinatable peptide to a carbohydrate to form a carbohydrate-appended peptide;

wherein said radioiodinatable peptide comprises at least one D-tyrosine, an amino terminus, a carboxy terminus formed from a D-lysine and no contiguous L-amino acids between the D-tyrosine and the carboxy terminus,

wherein the carbohydrate-appended peptide comprises

(a) a peptide that comprises at least one D-tyrosine, an amino terminus, a carboxy terminus formed from a D-lysine and no contiguous L-amino acids between the D-tyrosine and the carboxy terminus;

(b) a reducing carbohydrate conjugated to the peptide via an ϵ-amino group of the D-lysine to form a carbohydrate-appended peptide; and

(c) a linker group for covalently binding said carbohydrate-appended peptide to an antibody.

12. (Original) A method according to claim 11, further comprising covalently reacting radioidoine with said at least one D-tyrosine to form a radioiodinated carbohydrate-appended peptide.

13. (Original) A method according to claim 11, wherein said carbohydrate is conjugated to said radioiodinatable peptide at an ε-amino group of said D-lysine by reductive amination.

14. (Withdrawn) A method according to claim 11, wherein said peptide contains 5-40 amino acids.

15. (Withdrawn) A method according to claim 12, wherein said peptide contains 5-40 amino acids.

16. (Original) A method according to claim 11, wherein said D-tyrosine is directly linked to said D-lysine.

17. (Original) A method according to claim 11, wherein said carbohydrate is selected from the group consisting of melibiose and lactose.

18. (Original) A method according to claim 12, wherein said carbohydrate is selected from the group consisting of melibiose and lactose.

19. (Original) A method according to claim 11, wherein said carbohydrate is melibiose.

20. (Original) A method according to claim 12, wherein said carbohydrate is melibiose.

21-22. (Canceled)

23. (Currently amended) A method for producing a carbohydrate-appended peptide useful for radioiodinating an antibody, comprising:

conjugating a radioiodinatable peptide to a carbohydrate to form a carbohydrate-appended peptide;

wherein said radioiodinatable peptide comprises at least one D-tyrosine, an amino terminus, a carboxy terminus formed from a D-lysine, **D-arginine or D-ornithine** and no contiguous L-amino acids between the D-tyrosine and the carboxy terminus,

wherein the carbohydrate-appended peptide comprises

(a) a peptide that comprises at least one D-tyrosine, an amino terminus, a ~~a~~ carboxy terminus, and no contiguous L-amino acids between the D-tyrosine and the carboxy terminus and wherein the carboxy terminus is a D-lysine, D-arginine or ~~D-orthnithine~~ **D-ornithine**;

(b) a reducing carbohydrate conjugated to the peptide via the ϵ-amino group of the D-lysine or the side chain of D-arginine or D-ornithine to form a carbohydrate-appended peptide; and

(c) a linker group for covalently binding said carbohydrate-appended peptide to an antibody.

24. (Previously presented) A method according to claim 23, further comprising covalently reacting radioidoine with said at least one D-tyrosine to form a radioiodinated carbohydrate-appended peptide.

25. (Currently amended) A method according to claim ~~11~~ **23**, wherein said carbohydrate is conjugated to said radioiodinatable peptide at an ε-amino group of said D-lysine or the side chain of D-arginine or D-ornithine by reductive amination.

26. (Withdrawn) A method according to claim 23, wherein said peptide contains 5-40 amino acids.

27. (Withdrawn) A method according to claim 24, wherein said peptide contains 5-40 amino acids.

28. (Currently amended) A method according to claim 23, wherein said D-tyrosine is directly linked to said D-lysine, D-arginine or ~~D-orthnithine~~ **D-ornithine**.

29. (Previously presented) A method according to claim 23, wherein said carbohydrate is selected from the group consisting of melibiose and lactose.

30. (Previously presented) A method according to claim 24, wherein said carbohydrate is selected from the group consisting of melibiose and lactose.

31. (Previously presented) A method according to claim 23, wherein said carbohydrate is melibiose.

32. (Previously presented) A method according to claim 24, wherein said carbohydrate is melibiose.